

脳梗塞の治療

① ②

脳梗塞の治療

脳梗塞の治療

① leukotomy 脳梗塞の治療

脳梗塞の治療 leukotomy 脳梗塞の治療

② leukotomy 脳梗塞の治療

② **Leukotomy** 脳梗塞の治療

Leukotomy 脳梗塞の治療

1 personalities □ mental diseases □

3. **personality**  $\sqcap$  **intelligence**  $\sqcap$  **personality**  $\sqcap$  **intelligence**  $\sqcap$  **personality**  $\sqcap$  **intelligence**  $\sqcap$  **personality**  $\sqcap$  **intelligence**  $\sqcap$  **personality**  $\sqcap$  **intelligence** [3]

personality □ intelligence □ personalities □ mental diseases □  
personality □ intelligence □ personalities □ mental diseases □  
personality □ intelligence □ personalities □ mental diseases □

Turing Test  $\sqsupseteq$  Nature  $\sqsupseteq$  AlphaGo Zero  $\sqsupseteq$  superhuman  
superhuman  $\sqsupseteq$  generic  $\sqsupseteq$  human

Leukotomy 人类智能研究 Nature AlphaGo Zero 超级人类 superhuman 人类智能研究  
peer review Peer review [4]

leukotomy

# AlphaGo Zero vs Superhuman

Nature 2017 AlphaGo Zero 2017 AlphaGo Zero 2017 superhuman performance 2017 superhuman performance generic human performance superhuman performance

AlphaGo Zero は AlphaGo Master より superhuman の棋力を持つ  
超人間棋力を持つ generic な superhuman の棋力を持つ game の棋力を持つ  
超人間棋力を持つ

游戏超级人类 game superhuman

AlphaGo Zero သည် superhuman မှတ်တမ်းများမှာ ပေါ်လေ့ရှိခဲ့သူ ပိုမိုမှတ်တမ်းများမှာ ပေါ်လေ့ရှိခဲ့သူ

AlphaGo Zero が超人間的棋力を持つこと

Deepmind [5]

AlphaGo Master 三星棋院 AlphaGo Master 三星棋院 AlphaGo Master 三星棋院  
三星棋院 AlphaGo Zero 三星棋院 AlphaGo Master 三星棋院 AlphaGo Master 三星棋院

AlphaGo Zero 100 AlphaGo Master 100 AlphaGo Zero 100 AlphaGo [6] 100 AlphaGo Master 100 AlphaGo Zero 16 100 AlphaGo Zero 18 100 AlphaGo Zero 14 16 14 45 100 AlphaGo Zero 100

1. Nature Magazime 2016 AlphaGo Deepmind AlphaGo Zero  
2. AlphaGo Master 2017 AlphaGo Zero

2) AlphaGo Zero یکی از اولین نمونه‌های local trap را در یک بازی Go ایجاد کرد. AlphaGo Zero یکی از اولین نمونه‌های superhuman را در یک بازی Go ایجاد کرد.

AlphaGo Zero [8] superhuman AlphaGo Zero

AlphaGo generic human Deepmind AlphaGo AlphaGo AlphaGo AlphaGo

AlphaGo AlphaGo [9] AlphaGo AlphaGo

图灵机 Turing Machine 人工智能 AlphaGo 人工智能 AlphaGo Zero AlphaGo  
AlphaGo Zero AlphaGo Master AlphaGo Zero AlphaGo Zero

A row of 12 empty rectangular boxes, likely for writing names or labels, arranged horizontally.

“**工业自动化**: “Go gaming is strictly defined within a very small space. Industrial automations are typically designed in well controlled environments, but not strictly defined. Car driving is regulated, but the environment is not well controlled””

四、填空题

SAE level 5 SAE level 4 SAE level 4 SAE level 4 SAE level 4

## ANSWER

“ ”

## ANSWER

Universal approximation theorem  
Turing Machine

Technological Singularity

leukotomy

1949 leukotomy

1949 leukotomy

Turing Test  
AI  
A Modern Approach  
Wind Tunnel  
approach  
Nature  
AlphaGo Zero  
superhuman  
Technological Singularity  
In Math We Trust  
“  
[11]  
[12]

Karl Popper  
Occam's Razor

Occam's Razor  
Occam's Razor  
[13]

Occam's Razor

Occam's Razor  
Occam's Razor

Occam's Razor  
Occam's Razor  
Leukotomy  
[14]

Gu Test  
A Progressive Measurement Of Generic Artificial Intelligence

Gu Test  
A Progressive Measurement Of Generic Artificial Intelligence

A horizontal row of 15 empty square boxes, intended for a child to draw a picture in each box.

## ANSWER

□ □ □ □ □ □ □ □ □ □

[14] □

A horizontal row of 15 empty square boxes for writing names.

## ANSWER

10 of 10

Leukotomy □ Turing Test □ AI □ A Modern Approach □ Wind Tunnel

approach] Technological Singularity] In Math We Trust] “数学万能论”] 人工智能  
Nature] AlphaGo Zero] 超级人类]

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[1] 人工智能 AI: A Modern Approach 人工智能  
“Aristotle... was the first to formulate a precise set of laws governing the rational part of the mind.”(On page 5)□

## Wind Tunnel approach

个性智力和临床状态的综合评价 personality intelligence and clinical condition integrated evaluation

## leucotomy

Renato M.E. Sabbatini Even lobotomy's proponents admitted that only one third of the operated patients would improve, while one-third remained the same, and one-third got worst Leucotomy in England and Wales, 1942-1954 <http://www.cerebromente.org.br/n02/historia/lobotomy.htm>

个性、智力、白质开窗术、BRAIN  
Initiative

[4] 

peer review

AlphaGo Zero သည် superhuman မှုဆန် generic မှုဆန် human မှုဆန် များ  
များ ဖြစ်အောင် ပေါ်လေ့ရှိခဲ့သူ ဖြစ်ပါသည်။

[5] 『圍碁』Cracking Go 『圍碁』Deep Blue 『圍碁』AlphaGo 『圍碁』AlphaGo

[6] <http://www.alphago-games.com/> AlphaGo Zero AlphaGo Zero <https://www.101weiqi.com/chessbook/player/38348/>

[7] AlphaGo Master 人工智能AlphaGo Master 人工智能

[8] <http://www.alphago-games.com/> Full Strength of Alphago Zero, i.e. Final Form  
40 Blocks 20 Blocks Not Full Strength of Alphago Zero  
Alphago Zero

[18] 通用性定理 Universal approximation theorem  
图灵机 Turing Machine 通用性定理 Universal approximation theorem

〔 〕 Trust

Trust 『』

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[13] 1819 Ferdinand Schweikart

[14] 1819 Ferdinand Schweikart

1830 Ferdinand Schweikart

Ferdinand Schweikart

[15] “”

“”

[16] 1830 “”

“”

“”

“”